# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 259560 | sensor .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/09 17:32 |
| L2 | 156 | 1 and (first with second with transfer with register$3) .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/09 17:32 |
| L3 | 4 | 2 and accumulation .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/09 17:33 |
| L4 | 1 | 3 and pixel$4 with row$3 .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/09 17:34 |
| L5 | 0 | 4 and temporar$4 .clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/09 17:34 |
| S1 | 272 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/13 14:42 |
| S2 | 123 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/07/21 16:28 |
| S3 | 37 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/04/23 11:53 |

# EAST Search History

| S38 5 | 747180 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 10:14 |
|---|---|---|---|---|---|---|
| S38 6 | 336 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 10:14 |
| S38 7 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 10:14 |
| S38 8 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 10:14 |
| S38 9 | 36 | "5196939" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 10:49 |
| S39 0 | 2 | ("5196939").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/04 10:50 |
| S39 1 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S39 2 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S39 3 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S39 4 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S39 5 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S39 6 | 350 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S39 7 | 49 | ((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S39 8 | 25 | (((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S39 9 | 25 | ((((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 0 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 1 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 2 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S40 3 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 4 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 5 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 6 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 7 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 8 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S40 9 | 24 | ((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41 0 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41 1 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| S41<br>2 | 644 | horizontal adj transfer adj register$2 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S41<br>3 | 681 | ((348/311).CCLS.) or ((348/317).<br>CCLS.) or ((348/321).CCLS.) or<br>((348/323).CCLS.) or ((348/283).<br>CCLS.) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41<br>4 | 48 | (horizontal adj transfer adj<br>register$2) and (((348/311).CCLS.)<br>or ((348/317).CCLS.) or ((348/321).<br>CCLS.) or ((348/323).CCLS.) or<br>((348/283).CCLS.)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41<br>5 | 2241 | horizontal adj shift adj register$2 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41<br>6 | 98 | (horizontal adj shift adj register$2)<br>and (((348/311).CCLS.) or<br>((348/317).CCLS.) or ((348/321).<br>CCLS.) or ((348/323).CCLS.) or<br>((348/283).CCLS.)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41<br>7 | 89 | ((horizontal adj shift adj register$2)<br>and (((348/311).CCLS.) or<br>((348/317).CCLS.) or ((348/321).<br>CCLS.) or ((348/323).CCLS.) or<br>((348/283).CCLS.))) not ((horizontal<br>adj transfer adj register$2) and<br>(((348/311).CCLS.) or ((348/317).<br>CCLS.) or ((348/321).CCLS.) or<br>((348/323).CCLS.) or ((348/283).<br>CCLS.))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41<br>8 | 15 | (((horizontal adj shift adj register$2)<br>and (((348/311).CCLS.) or<br>((348/317).CCLS.) or ((348/321).<br>CCLS.) or ((348/323).CCLS.) or<br>((348/283).CCLS.))) not ((horizontal<br>adj transfer adj register$2) and<br>(((348/311).CCLS.) or ((348/317).<br>CCLS.) or ((348/321).CCLS.) or<br>((348/323).CCLS.) or ((348/283).<br>CCLS.)))) and channel adj stop | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S41<br>9 | 524 | horizontal adj shift adj registers | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S42 0 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S42 1 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S42 2 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S42 3 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S42 4 | 0 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not ((((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S42 5 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S42 6 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S42 7 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S42 8 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S42 9 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 0 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 1 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S43 2 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S43 3 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 4 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 5 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S43 6 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 7 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 8 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S43 9 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 0 | 350 | (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 1 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 2 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 3 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 4 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S44 5 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 6 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 7 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 8 | 24 | ((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S44 9 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 0 | 681 | ((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 1 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 2 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| S45 3 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S45 4 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 5 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 6 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 7 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S45 8 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S45 9 | 0 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311). CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323). CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 0 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 1 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 2 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 3 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 4 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S46 5 | 158 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 6 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 7 | 49 | (((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 8 | 25 | ((((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S46 9 | 25 | (((((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 0 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 1 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S47 2 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 3 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 4 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 5 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 6 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S47 7 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S47 8 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S47 9 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 0 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 1 | 606 | S456 and vertical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 2 | 114 | S456 not S481 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 3 | 27 | S482 and storage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 4 | 3567 | (250/208.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S48 5 | 204 | (257/234).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 6 | 2 | ("6028299").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 7 | 37 | ("4740828" \| "4761683" \| "4858020" \| "4910599" \| "4949183").PN. OR ("5196939").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/10 10:32 |
| S48 8 | 204 | (257/234).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S48 9 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 0 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 1 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 2 | 681 | ((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S49 3 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S49 4 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 5 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 6 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 7 | 325 | ((348/314).CCLS.) or ((348/322).CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 8 | 25 | ((((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S49 9 | 3567 | (250/208.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 0 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S50 1 | 25 | (((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 2 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 3 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 4 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 5 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 6 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 7 | 681 | ((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S50 8 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S50 9 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S51 0 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 1 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 2 | 24 | ((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 3 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 4 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S51 5 | 25 | ((((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 6 | 2 | ("6028299").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 7 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 8 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S51 9 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 0 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 1 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 2 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S52 3 | 49 | ((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S52 4 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 5 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 6 | 606 | S525 and vertical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 7 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 8 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S52 9 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 0 | 114 | S525 not S526 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S53 1 | 27 | S530 and storage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 2 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 3 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 4 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 5 | 24 | (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 6 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 7 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 8 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S53 9 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S54 0 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB・ | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S54 1 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and ((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S54 2 | 25 | (((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S54 3 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S54 4 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S54 5 | 37 | ("4740828" \| "4761683" \| "4858020" \| "4910599" \| "4949183").PN. OR ("5196939").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/10 10:32 |

# EAST Search History

| S54 6 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S54 7 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S54 8 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S54 9 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/283).CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S55 0 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 1 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 2 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 3 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 4 | 0 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311). CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323). CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 5 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 6 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |

| S55 7 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
|---|---|---|---|---|---|---|
| S55 8 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S55 9 | 0 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S56 0 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S56 1 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:32 |
| S56 2 | 49 | ((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S56 3 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S56 4 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S56 5 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S56 6 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S56 7 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S56 8 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S56 9 | 350 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 0 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 1 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S57 2 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 3 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 4 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 5 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 6 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 7 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 8 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S57 9 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 0 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S58 1 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 2 | 350 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 3 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 4 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 5 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 6 | 3567 | (250/208.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 7 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 8 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S58 9 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| S59 0 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S59 1 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S59 2 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S59 3 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S59 4 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S59 5 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S59 6 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S59 7 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S59 8 | 350 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S59 9 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 0 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 1 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 2 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 3 | 24 | ((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 4 | 0 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311). CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323). CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S60 5 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S60 6 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 7 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 8 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S60 9 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S61 0 | 681 | ((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S61 1 | 681 | ((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S61 2 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S61 3 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S614 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S615 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S616 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S617 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S618 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S619 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S620 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S62 1 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S62 2 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S62 3 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S62 4 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S62 5 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S62 6 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S62 7 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| S62 8 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S62 9 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 0 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 1 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 2 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 3 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 4 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 5 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 6 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| | | | | | | |
|---|---|---|---|---|---|---|
| S63 7 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 8 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S63 9 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 0 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 1 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 2 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 3 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| S64 4 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S64 5 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 6 | 168 | (348/322).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 7 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 8 | 24 | ((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S64 9 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 0 | 24 | ((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 1 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| S65 2 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S65 3 | 606 | S652 and vertical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 4 | 114 | S652 not S653 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 5 | 3567 | (250/208.1).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 6 | 204 | (257/234).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 7 | 204 | (257/234).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 8 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S65 9 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 0 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S66 1 | 681 | ((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 2 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 3 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 4 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 5 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 6 | 98 | (horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 7 | 681 | ((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 8 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S66 9 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S67 0 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S67 1 | 0 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311). CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323). CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 2 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 3 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 4 | 350 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S67 5 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 6 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 7 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 8 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S67 9 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 0 | 37 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 1 | 846 | accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 2 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S68 3 | 606 | S682 and vertical | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S68 4 | 114 | S682 not S683 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 5 | 2241 | horizontal adj shift adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 6 | 644 | horizontal adj transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 7 | 24 | (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 8 | 325 | ((348/314).CCLS.) or ((348/322). CCLS.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S68 9 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 0 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 1 | 852 | accumulat$4 and transfer adj register$2 and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 2 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| S69 3 | 169 | (348/314).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S69 4 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 5 | 124 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 6 | 350 | (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 7 | 445 | (348/311).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 8 | 0 | 09/447,301 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S69 9 | 158 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S70 0 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311). CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323). CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 1 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 2 | 524 | horizontal adj shift adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 3 | 89 | ((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 4 | 164 | (((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 5 | 1690 | accumulat$4 and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| S70 6 | 765601 | accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S70 7 | 124 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 8 | 124 | ((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S70 9 | 352 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 0 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 1 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311). CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323). CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 2 | 57 | ((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

| S71 3 | 0 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and odd) and even) and horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
|---|---|---|---|---|---|---|
| S71 4 | 720 | (horizontal adj shift adj registers) or (horizontal adj transfer adj registers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 5 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 6 | 53 | (348/323).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 7 | 155 | (348/317).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 8 | 350 | (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S71 9 | 205 | horizontal adj transfer adj registers | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 0 | 42 | (348/321).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 1 | 49 | ((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S72 2 | 25 | ((((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 3 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 4 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 5 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322).CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 6 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 7 | 25 | ((((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:33 |
| S72 8 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

| S729 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S730 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S731 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S732 | 49 | ((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S733 | 25 | (((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S734 | 25 | ((((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

# EAST Search History

| S735 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S736 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S737 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S738 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S739 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322).CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

| S74 0 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S74 1 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S74 2 | 38 | (((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S74 3 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S74 4 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S74 5 | 27 | S654 and storage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S74 6 | 37 | ("4740828" | "4761683" | "4858020" | "4910599" | "4949183").PN. OR ("5196939").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/10 10:34 |

| S747 | 25 | ((((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S748 | 25 | (((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S749 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S750 | 38 | (((348/314).CCLS.) or ((348/322).CCLS.)) and (accumulat$4 and transfer adj register$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S751 | 2 | ("6028299").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S752 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S75 3 | 25 | ((((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd)) and (simultanious$4 or time) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S75 4 | 2 | ("6028299").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S75 5 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S75 6 | 49 | (((((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S75 7 | 15 | (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) and channel adj stop | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S75 8 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S75 9 | 38 | (348/283).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S76 0 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 1 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 2 | 25 | (((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2) and (even and odd) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 3 | 30 | horizontal-horizontal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 4 | 97 | ((((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.))))) and ccd | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 5 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

| S76 6 | 24 | (accumulat$4 and transfer adj register$2 and (even and odd) and (simultanious$4 or time)) and (((((348/314).CCLS.) or ((348/322). CCLS.)) and (accumulat$4 and transfer adj register$2)) and (accumulat$4 and transfer adj register$2 and (even and odd))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S76 7 | 27 | S684 and storage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 8 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S76 9 | 2 | ("5196939").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S77 0 | 48 | (horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S77 1 | 37 | ("4740828" \| "4761683" \| "4858020" \| "4910599" \| "4949183").PN. OR ("5196939").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/04/10 10:34 |
| S77 2 | 25 | "447,301" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S77 3 | 49 | (((((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)) and accumulat$4) and transfer adj register$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

| S77 4 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S77 5 | 2 | ("5859898").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S77 6 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |

| S77 7 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
|---|---|---|---|---|---|---|
| S77 8 | 36 | "5196939" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S77 9 | 2 | ("5196939").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |
| S78 0 | 141 | (((((horizontal adj shift adj registers) or (horizontal adj transfer adj registers)) and (storage or accumulation)) and columns) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.)))) not (((horizontal adj shift adj register$2) and (((348/311).CCLS.) or ((348/317).CCLS.) or ((348/321). CCLS.) or ((348/323).CCLS.) or ((348/283).CCLS.))) not ((horizontal adj transfer adj register$2) and (((348/311).CCLS.) or ((348/317). CCLS.) or ((348/321).CCLS.) or ((348/323).CCLS.) or ((348/283). CCLS.)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/04/10 10:34 |